**Superradiance Timescales** 10<sup>-5</sup> spin (a\*) orbital ( $\ell$ ) a\*=0.900 a\*=0.990 a\*=0.999  $10^{-4}$ **■** *ℓ*=5 10-3 [years] 10<sup>-2</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 3.0 1.0 1.5 2.5 0.0 0.5 2.0  $\mu_a$  Axion mass [eV] 1e-11